Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/20/2019 09:45 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124615	-1	1.37	124667	1.35
Blue	F	SSC	125000	123785	-1	1.57	124581	1.57
Blue	E	FITC	16122	15601	-4	2.67	340	19.68
Blue	D	PE	29316	28819	-2	1.82	629	14.22
Blue	B	PerCP-Cy5-5	42590	42103	-2	3.58	1133	20.14
Blue	A	PE-Cy7	33146	32920	-1	5.90	629	41.24
Red	C	APC	45473	44861	-2	2.37	1589	11.88
Red	A	APC-Cy7	31961	30906	-4	2.31	815	12.12
Violet	B	V450	7914	7564	-5	4.86	422	13.07
Violet	A	V500	29769	28643	-4	4.69	665	10.70

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21409	4.07	606	6	N/A	N/A	Pass
Blue	F	SSC	56327	1.09	550	12	N/A	N/A	Pass
Blue	E	FITC	61	61.47	538	1	0.0202	82	Pass
Blue	D	PE	131	49.42	541	4	0.1873	322	Pass
Blue	B	PerCP-Cy5-5	209	49.06	644	6	0.0092	53	Pass
Blue	A	PE-Cy7	119	97.59	696	5	0.0104	4	Pass
Red	C	APC	377	25.26	585	6	0.0259	203	Pass
Red	A	APC-Cy7	181	29.26	561	5	0.0054	1090	Pass
Violet	B	V450	64	60.65	466	6	0.0623	2668	Pass
Violet	A	V500	100	31.98	478	6	0.0225	515	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.34	-31.98	0.98
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	16.35	13.60 - 20.40	N/A	N/A	29.53	29.93	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10159

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments